BASF Aktiengesellschaft

Abstract

At least one ester of the formula (I) to (V) ~~listed on pages 4 and~~

$$B \begin{array}{c} OR^1 \\ OR^2 \\ OR^3 \end{array}$$

(I)

$$O = C \begin{array}{c} OR^1 \\ OR^2 \end{array}$$

(II)

$$O = P \begin{array}{c} OR^1 \\ OR^2 \\ OR^3 \end{array}$$

(III)

$$\begin{array}{c} O \\ O \end{array} = S \begin{array}{c} OR^1 \\ OR^2 \end{array}$$

(IV)

$$R^4O \diagdown \quad OR^1$$
$$Si$$
$$R^3O \diagup \quad OR^2$$

(V)
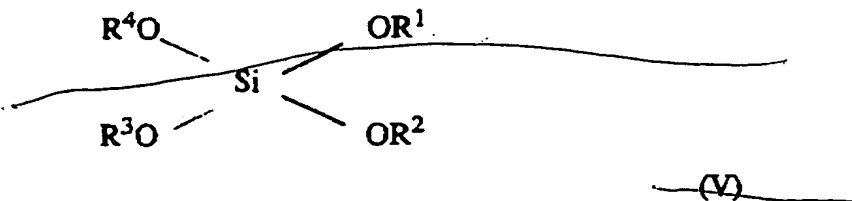
where R^1, R^2, R^3, R^4 are identical or different and each, independently of one another, are a linear or branched-chain C_1- to C_4-alkyl, $(-CH_2-CH_2-O)_nCH_3$ with $n=1$ to 3, a C_3- to C_6-cycloalkyl, an aromatic hydrocarbon group which in turn can be substituted, with the proviso that at least one of the groups R^1, R^2, R^3 or R^4 is $(-CH_2-CH_2-O)_n-CH_3$ with $n=1$ to 3,

is used as a solvent in electrolyte systems for Li-ion storage cells.